



RCA-32

SCREEN GRID R-F AMPLIFIER

Filament	Coated	
Voltage	2.0	d-c volts
Current	0.060	amp.
Direct Interelectrode Capacitances:		
Grid to Plate (with shield-can)	0.015 max.	μuf
Input	5.3	μuf
Output	10.5	μuf
Overall Length	(2) (3)	4-25/32" to 5-1/32"
Maximum Diameter		1-13/16"
Bulb		ST-14
Cap		Small Metal
Base		Medium 4-Pin
Pin 1-Filament +	(1) (4)	Pin 4-Filament-
Pin 2-Plate		Cap -Grid
Pin 3-Screen		

BOTTOM VIEW

AMPLIFIER (Class A)

Operating Conditions and Characteristics:

Filament	2.0	2.0	volts
Plate	135	180 max.	volts
Screen	67.5	67.5	max. volts
Grid	-3	-3	volts
Amp. Fact.	610	780	
Plate Res.	0.95	1.2	megohms
Mut. Cond.	640	650	μmhos
Plate Cur.	1.7	1.7	ma.
Screen Cur.	0.4	0.4	max. ma.

Grid-coupling resistor, if used, should not exceed 2.0 megohms.

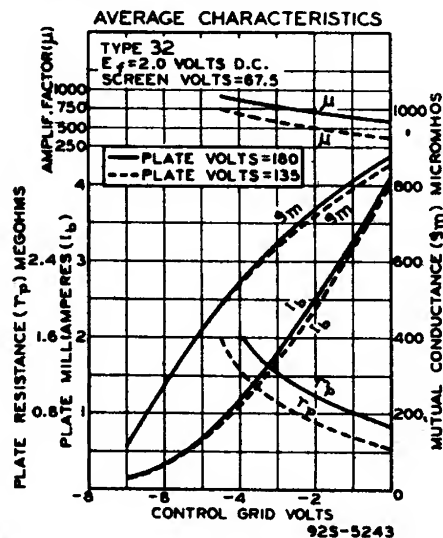
DETECTOR

Typical Operation:

	Biased	Grid-Leak	
Filament	2.0	2.0	volts
Plate-Supply	135	135	volts
Screen	45	67.5 max.	volts
Grid	-4.5*	-6*	volts
Plate Load	0.1*	0.1*	Return to (+) Fil. volts
Plate Cur.	Adjusted to 0.2 ma.	0.1*	megohm
Grid Leak	-	-	1-5 megohms
Grid Condenser	-	-	0.00025 μf

* Or equivalent impedance. In designing circuits to use the 32 as a detector, it is desirable to work from the detector stage directly into the power output stage.

* Approximate.

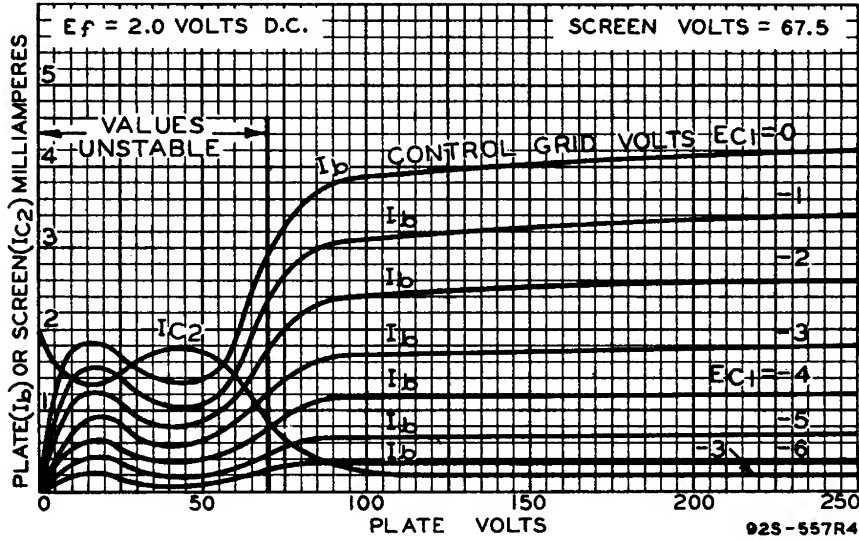


JULY 1, 1935

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

DATA

AVERAGE PLATE CHARACTERISTICS



AVERAGE CHARACTERISTICS

